

WHAT IS CLAIMED IS:

1 1. A method for identifying a lost call location in a wireless network system
2 comprising:
3 receiving a connect message from a mobile terminal to establish a call;
4 continuously monitoring radio signals associated with the established call;
5 determining if a parameter associated with the continuously monitored radio
6 signal falls below a threshold; and
7 providing information associated with the location of the mobile terminal if
8 the parameter falls below the threshold.

1 2. The method of claim 1, wherein the step of continuously monitoring further
2 includes the step of:
3 sending a trigger message responsive to receiving the connect message;
4 wherein the trigger message causes the continuous monitoring of the radio
5 signals.

1 3. The method of claim 1, wherein
2 the step of providing information includes storing the information associated
3 with the location of the mobile terminal if the parameter falls below the threshold; and
4 the step of continuously monitoring includes the steps of,
5 continuously updating the information associated with the location of
6 the mobile terminal;
7 receiving a termination message from an MSC associated with a
8 normal termination of the call; and

9 discarding the updated information associated with the location of the
10 mobile terminal in response to the normal termination of the call.

1 4. The method of claim 1, wherein the threshold is a zero signal strength level.

1 5. The method of claim 1, wherein the information includes the location of the
2 mobile terminal in terms of longitude and latitude.

1 6. The method of claim 1, wherein the information includes a time stamp.

1 7. A wireless network system comprising:
2 a MSC; and
3 a controller coupled to the MSC, the controller configured to,
4 receive a connect message from a mobile terminal to establish a call;
5 continuously monitor radio signals associated with the established call;
6 determine if a parameter associated with the continuously monitored
7 radio signals falls below a threshold; and
8 provide information associated with the location of the mobile terminal
9 if the parameter falls below the threshold.

1 8. The wireless network system of claim 7, wherein the controller comprises:
2 a Position Control Center (PCC) receiving the connect message and outputting
3 a trigger message in response thereto; and

05834910-062101
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4 a Position Detection Center (PDC) continuously monitoring for the radio
5 signal in response to the trigger message.

1 9. The wireless network system of claim 7, wherein
2 the controller comprises a Position Database (PDB) storing the information
3 associated with the location of the mobile terminal; and wherein
4 the controller, in continuously monitoring, is further configured to,
5 continuously update the information associated with the location of the
6 mobile terminal;
7 receive a termination message from the MSC associated with a normal
8 termination of the call; and
9 discard the updated information associated with the location of the
10 mobile terminal in response the normal termination of the call.

1 10. The wireless network system of claim 7, wherein the threshold is a zero signal
2 strength level.

1 11. The wireless network system of claim 7, wherein the information includes the
2 location of the mobile terminal in terms of longitude and latitude.

12. The wireless network system of claim 7, wherein the information includes a
time stamp.